

RUN TIME SYNTHESIZER ADAPTATION TO IMPROVE  
INTELLIGIBILITY OF SYNTHESIZED SPEECH

ABSTRACT

A method and system provide for run-time modification of synthesized speech. The method includes the step of generating synthesized speech based on textual input and a plurality of run-time control parameter values. Real-time data is generated based on an input signal, where the input signal characterizes an intelligibility of the speech with regard to a listener. The method further provides for modifying one or more of the run-time control parameter values based on the real-time data such that the intelligibility of the speech increases. Modifying the parameter values at run-time as opposed to during the design stages provides a level of adaptation unachievable through conventional approaches.